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Notice of Allowability	Application No.	Applicant(s)	
	09/650,712	MARIANI ET AL.	
	Examiner	Art Unit	
	Shin-Hon Chen	2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 10/4/07.
2. ☒ The allowed claim(s) is/are 1-4,6,10,19,21,22 and 36-60.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20071214.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. Claims 1-4, 6, 10, 19, 21, 22 and 36-60 are allowed. Claims 1-4, 6, 10, 19, 21, 22 and 36-60 are re-numbered as claims 1-34.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bea Koempel-Thomas on 12/14/07.

The application has been amended as follows:

36. (Currently Amended) A method, comprising:
a first electronic device receiving from a second electronic device, a request to download a web page; and
in response to receiving the request, the first electronic device:
determining whether the web page includes code to invoke a control object;
in an event that the web page includes code to invoke a control object, the first electronic device ~~attaching~~ digitally signing a web page digital signature to the web page; and
delivering the web page to the second electronic device, wherein the second electronic device is capable of authenticating the source of the web page based on the digital signature such

that the second electronic device executes at least a portion of the web page in response to authenticating the web page digital signature.

44. (Currently Amended) A method, comprising:

a first electronic device determining whether a web page includes code to invoke a control object, wherein the control object does not have an associated digital signature; and
based on a determination that the web page includes code to invoke the control object:
the first electronic device ~~attaching a digital signature to~~ digitally signing the web page;
and

subsequent to ~~attaching the digital signature to~~ digitally signing the web page, the first electronic device delivering the web page to a second electronic device capable of authenticating a source of the web page based on the digital signature such that the second electronic device executes the code to invoke the control object in response to authenticating the digital signature, and such that the second electronic device prevents execution of the code to invoke the control object in response to failing to authenticate the digital signature.

58. (Currently Amended) One or more tangible computer-readable media comprising computer-executable instructions that, when executed, direct a first computing device to:

determine whether a web page includes code to invoke a control object, wherein the control object does not have an associated digital signature; and

based on a determination that the web page includes code to invoke the control object,
~~attach a digital signature to~~ digitally signing the web page, wherein the digital signature is not
directly associated with the control object; and

deliver the web page to a second computing device capable of authenticating the source
of the web page based on the digital signature such that the second computing device executes
the code to invoke the control object in response to authenticating the source of the web page
based on the digital signature, and such that the second computing device prevents execution of
the code to invoke the control object in response to failing to authenticate the source of the web
page based on the digital signature.

59. (Currently Amended) One or more tangible computer-readable media comprising
computer-executable instructions that, when executed, direct a first computing device to:

determine whether a web page includes code to invoke a control object, wherein a first
digital signature is associated with the control object;

based on a determination that the web page includes code to invoke the control object,
~~attach a second digital signature to~~ digitally signing the web page with a second digital signature;
and

deliver the web page to a second computing device capable of authenticating the source
of the web page based on the second digital signature such that the second computing device
executes the code to invoke the control object in response to authenticating the source of the web
page based on the second digital signature, and such that the second computing device prevents

execution of the code to invoke the control object in response to failing to authenticate the source of the web page based on the second digital signature.

60. (Currently Amended) A system comprising:

a page generator to generate a web page, wherein the web page includes a control object;
a digital signature module to:

determining whether the web page includes a script to invoke the control object;

derive a digital signature from the web page;

based on a determination that the web page includes a script to invoke the control object, ~~attach the digital signature to~~ digitally signing the web page such that the digital signature is not directly associated with the control object, but is associated with the source of the web page; and

a web page delivery module to deliver the web page to an electronic device.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance: The closest prior art of record discloses a method of digitally signing scripts used to invoke control objects. However, the prior art of record does not explicitly disclose a first electronic device digitally signing web page that includes code to invoke a control objects and wherein the web page does not include the control object; and a second electronic device authenticate source of the web page based on

the digital signature in light of other features disclosed in independent claims 1, 36, 44, 51 and 58-60.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bodnar et al. U.S. Pat. No. 7275086 discloses method for embedding a context-sensitive web portal in a computer application.

Luckenbaugh et al. U.S. Pub. No. 20010013096 discloses trusted services broker for web page security labeling.

Drews U.S. Pat. No. 6918036 discloses protected platform identity for digital signing.

Patel U.S. Pat. No. 20020004900 discloses method for secure anonymous communication through digital certificate.

Nagai et al. European Pat. Appl. 0982927 discloses method of generating authentication-enabled electronic data containing digital signature.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shin-Hon Chen whose telephone number is (571) 272-3789. The examiner can normally be reached on Monday through Friday 8:30am to 5:30pm.

Application/Control Number:
09/650,712
Art Unit: 2131


Page 7

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shin-Hon Chen
Examiner
Art Unit 2131

SC


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